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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/659,999	09/12/2000	Masahiro Umeshita	SOHSH8.001AUS	6327

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EXAMINER

LEON, EDWIN A

ART UNIT PAPER NUMBER

2833

DATE MAILED: 10/23/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/659,999

Applicant(s)

UMESHITA ET AL.

Examiner

Edwin A. León

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 September 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

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DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed September 24, 2002 in which Claims 1 and 7 have been amended, has been placed of record in the file as Paper No. 12.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Urani (U.S. Patent 4,391,485) in view of Bixter et al. (U.S. Patent No. 5,118,306).
With regard to Claims 1 and 7, Urani discloses a fuse connection box (10) comprising a fuse (16) and a housing (12), the housing (12) being divided into a first side housing (14) in which a first side terminal (38) of an end of a first side wire (18) is assembled, and a second side housing (14) in which a second side terminal (38) of an end of a second side wire (18) is assembled, the first side housing (14) and second side housing (14) having portions (22,24,26,32,34,36) for engagement with each other, and the first side housing (14) and second side housing (14) being engaged to form a single housing

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(12) in which the fuse (16) can be attached. The method limitations are deemed inherent. See Figs. 1-4.

However, Urani doesn't show the first and second housings being separately pre-assembled with the first and second wires, such that the first side wire is substantially enclosed within first side housing and such that the second side wire is substantially enclosed within second side housing.

Bixter et al. discloses the concept of having first and second members (22a-b) being separately pre-assembled with first and second wires (40), such that the first side wire (40) is substantially enclosed within first side member (22a) and such that the second side wire (40) is substantially enclosed within second side member (22b). See Figs. 1-7.

Therefore, it would have been obvious to one with ordinary skill in the art to modify the housings of Urani by separately pre-assembled them with first and second wires as taught in Bixter et al. in order to simplify the assembling process and make it more efficient.

With regard to Claim 2, Urani discloses the first side housing (14) and the second side housing (14) are of identical shapes having first engagement portions (22,24,26) at one end in the direction of arrangement of fuses (16) and having second engagement portions (32,34,36) of shapes engaging with the first engagement portions (22,24,26) at the other end. See Figs. 1-4.

4. Claims 3-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Urani (U.S. Patent 4,391,485) in view of Bixter et al. (U.S. Patent No. 4,560,227) and Call

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(U.S. Patent 4,758,184). With regard to Claim 3-6, the combination of Urani and Bixter et al. disclose the claimed invention except a protective cover having a protective frame.

Call discloses a fuse connection box (10) comprising a protective cover (20) having a protective frame (23) attached to a first side housing (42) and second side housing (40) so as to cover a fuse (52) in a state where the first side housing (42) and the second side housing (42) are connected and the fuse (52) attached. See Figs. 1-5.

Thus, it would have been obvious to one with ordinary skill in the art to modify the connection box of Urani and Bixter et al. by including a protective cover having a frame as taught in Call to make the box resistant to vibration and rough use.

Response to Arguments

5. Applicant's arguments with respect to claims 1-7 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (703) 308-6253. The examiner can normally be reached on Monday - Friday 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (703) 308-2319. The fax phone

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numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



THO D. TA
PRIMARY EXAMINER

Edwin A. Leon
AU 2833

EAL
October 15, 2002